

ABSTRACT

An object of the present invention is to provide a silver powder which is an unprecedentedly fine particulate silver powder and has a dispersibility more approximate to monodispersibility resulting less aggregation.

To achieve the above object, a fine particulate silver powder having unprecedented powder properties in which: a. the average particle diameter D_{IA} of the primary particles obtained by image analysis of a scanning electron micrograph is 0.6 μm or less; b. the crystallite diameter is 10 nm or less; and c. the sintering starting temperature is 240°C or less is obtained by allowing a silver ammine complex aqueous solution S_1 to flow in a certain flow path (hereinbelow referred to as "first flow path"), providing a second flow path b which joins the first flow path a on its way and allowing an organic reducing agent and additives S_2 , if required, to flow into the first flow path a through the second first flow path b and contacting and mixing them at the joining point of the first flow path a and the second flow path b to allow reduction and deposition of particles.